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IN THE CLAIMS:

Please replace Claims 12 - 16, 18 - 20, and 22 - 24 with the following amended claims.

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12. (Amended) A belt tension sensor comprising:

a moving arm force responder, and

10

a sensor responsive to said moving arm force responder by generating an electric signal indicating belt tension, and wherein:

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said moving arm force responder comprises a base affixed to an arm,

force from said belt is applied to said base in the direction of an axis,

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said base is adapted to flex upon said application of said force,

said arm extends from said base substantially parallel with said axis, and

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said flexing urges said arm to move relative to said sensor, whereby

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said sensor responds to said flexing of said base by generating said electric signal.

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13. (Amended) The invention as defined by Claim 12,
including

5 means for selecting the component of force from a
belt in the direction of an axis from other components of said force
from a belt, and wherein

10 said force from said belt applied to said base
comprises said axial component.

14. (Amended) The invention as defined by Claim 13
wherein said means for selecting the component of force comprises:

15 a tension receiver movable in the direction of said
axis, and

low friction bearing means for bearing said
movement of said tension receiver in the direction of said axis.

20 15. (Amended) The invention as defined by Claim 14
wherein:

said low friction bearing means comprises said base
engaging both an anchor and said tension receiver.

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16. (Amended) The invention as defined by Claim 12
and wherein:

said sensor is responsive to the position of said arm.

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18. (Amended) A force sensor comprising:

a sensor and a moving arm force responder, and

wherein:

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said moving arm force responder comprises a base
having a first surface adapted to receive a first force perpendicular to
said first surface,

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said moving arm force responder also comprises two
arms each extending from said base in a direction perpendicular to
said first surface,

20

said base is adapted to respond to said first force by
flexing,

said flexing causes said base to urge said arms to
move relative to each other, and,

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said sensor is responsive to said arms by generating
an electric signal indicating said first force.

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19. (Amended) The invention as defined by Claim 18
and wherein:

5 said sensor comprises a capacitance sensor and two
capacitor elements,

there is a first capacitance between one of said two
capacitor elements and one of said two arms,

10 there is a second capacitance between the other of
said two capacitor elements and the other of said two arms,

said arms are electrically connected to each other,

15 said capacitance sensor is connected to said capacitor
elements for sensing the capacitance therebetween, and

20 said capacitance sensor is adapted to generate a
signal responsive to said capacitance between said capacitor elements,
whereby

said signal responsive to said capacitance is said
electric signal.

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20. (Amended) The invention as defined by Claim 18 and wherein:

5 said sensor comprises a permanent magnet and a magnetic field sensor,

said permanent magnet provides a magnetic field between said arms, and

10 said magnetic field sensor is adapted to generate a signal responsive to said magnetic field between said arms, whereby

said signal responsive to said magnetic field is said electric signal.

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22. (Amended) The invention as defined by Claim 21 wherein:

20 said base and said groove are adapted to minimize friction between said base and said salient edges during said flexing.

23. (Amended) The invention as defined by Claim 21 wherein;

25 when said first force is small, a gap delimited by said salient edges exists between said base and said groove, and

30 there is a predetermined level of said first force above which said base and said groove abut at points between said salient edges.

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24. (Amended) The invention as defined by Claim 18,
and including:

a tension receiver,

an anchor, and

a first bearing means, and wherein:

said tension receiver is movable in the direction of

an axis,

said first bearing means bears said tension receiver
in said movement, and

said first bearing means comprises first flexible
suspension means engaging said anchor and said tension receiver.
